LEGISLATIVE

NOVA SCOTIA AGRICULTURAL COLLEGE

REPORT OF THE PRINCIPAL

1985-1986

TRURO N.S.

92-00605/

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NOVA SCOTIA AGRICULTURAL COLLEGE

OVERVIEW

A highlight of the 1985-86 academic year was the announcement by the Honorable Roger Bacon of the approval for construction of the new Animal Science Building at a cost of $6.752 million. The sod-turning for the building took place on October 9, 1985 in connection with the Autumn Assembly. The sod was turned by Mr. Bacon with a team of horses and plow kindly provided for the occasion by Mr. Sterling Whidden. The construction contract was awarded to Erskine Building Ltd. and is scheduled for completion by December, 1986. The 70,000 square foot building (two floors) will provide offices, classrooms and laboratories for teaching and research and an auditorium-type classroom designed to accommodate industry meetings. The facility includes a nutrition complex with complete chemical analysis, physiology including a surgery room and a modern computerized genetics laboratory. The building also includes an animal products and processing section. Upon completion of the new Animal Science building, the Boulden Building will be renovated to provide a small laboratory animal care centre.

Research activity continues to strengthen and grow with funds obtained through research grants and contracts. It was particularly gratifying to realize that our staff were especially successful in the 1986 Natural Sciences and Engineering Research Council (NSERC) competitions. Eleven of the twelve research proposals submitted were approved. The total support of all research activities at N. S. A. C. is approximately $1 million.

In 1986, four senior staff retired from the college, namely P. Y. Hamilton, Registrar for 13 years; Prof. D. E. MacLeod, Student Placement Officer for 18 years; J. C.(Jack) Fitzpatrick, Manager of Physical Plant for 22 years and Marie Hartigan Mapplebeck, Secretary to the Principal for 20 years. Their combined contribution was immense and the institution is a much better one because they were here.

REGISTRATION

1985-1986

1st Year B.Sc.(Agr.)	119	
2nd Year B.Sc.(Agr.)	78	
3rd Year B.Sc.(Agr.)	52	
4th Year B.Sc.(Agr.)	49	
Sub-Total B.Sc.(Agr.)		298
1st Year Engineering	6	
2nd Year Engineering	10	
3rd Year Engineering	3	
Sub-Total Engineering		19
1st Year Technicians	77	
2nd Year Technicians	66	
Sub-Total Technicians		143
1st Year Technology	29	
2nd Year Technology	30	
Sub-Total Technology		59
Special Students*		22
Total Full Time Students		541

*Students not in a regular program leading to a degree or diploma.

FACULTY OF INSTRUCTION

COLLEGE YEAR 1985-86

Principal

H. F. MacRae, B.Sc.(Agr.) McGill, M.Sc. (McGill), Ph.D. (McGill)

Principal Emeritus

Kenneth Cox, B.S.A. (Toronto), M.S.A. (McGill), L.L.D. (McGill)

Vice-Principal

I. M. Fraser, B.Sc. (Dalhousie), M.A. (Maine)

Dean, Vocational and Technical Education

A.D. Ells, B.Sc.(Agr.) (McGill), M.A. (Acadia)

Registrar

P.Y. Hamilton, B.Sc.(Agr.) (McGill), M.Sc. (Maine)

Librarian

B.S. Sodhi, B.A. (Punjab), M.A. (Punjab), Dip. L. Sc. (Punjab)

Dean of Students - Chaplain

Rev. D.I. MacEachern, B.A. (Mt. Allison), M.Div. (Pine Hill)

Deans of Residence

J. M. Smith, B.P. Ed. (Dalhousie)
K. Greenwood
B. S. MacLeod

Director of Athletics

K. S. Marchant, B.P. Ed. (New Brunswick), M.S. (Springfield)

Placement Officer

D.E. MacLeod, B.A.(Dalhousie), B.Ed. (Acadia)

Agricultural Engineering

James Adams, B.Sc. (Strathclyde), M.Sc. (Reading) - Associate Professor
D.A. Allen, B.Sc. (Eng.) (Guelph), M.Sc. (Agr. Eng.) (Purdue) Associate Professor
J.D. Cunningham, B.S.A. (Toronto), B.E. (Nova Scotia Technical College), M.A.Sc. (Technical University of Nova Scotia) - Associate Professor
F.L. Desir, B.Sc. (Agr. Eng.) (McGill), M.Sc. (McGill) - Lecturer
P.L. Havard, B.Sc. (Agr. Eng.) (McGill), M.Sc. (McGill) - Assistant Professor
S.A. Madani, B.Sc. (Bahlavi), M.Sc. (British Columbia), Ph.D. (Washington) - Assistant Professor
M.N. Rifai, M.Sc. (Nitra), Ph.D (Nitra) - Assistant Professor

Animal Science

L.M. Cock, B.Sc. (Agr.) (McGill), M.S. (Wisconsin), Ph.D (Maine) - Professor and Head
D.M. Anderson, B.S.A. (Manitoba), M.Sc. (Manitoba), Ph.D (Saskatchewan) - Associate Professor
M.L. Connor, B.Sc. (Agr.) (Guelph), M.Sc. (Manitoba), Ph.D (Manitoba) - Assistant Professor
D.C. Crober, B.Sc. (Agr.) (McGill), M.Sc. (McGill), Ph.D (British Columbia) - Professor
N. L. Firth, B.Sc. (Edinburgh), M.S. (Purdue), Ph.D. (Cornell)
A.H. Fredeen, B.S.A. (Saskatchewan), M.Sc. (Guelph), Ph.D (California) - Assistant Professor
P.Y. Hamilton, B.Sc. (Agr.) (McGill), M.Sc. (Maine) - Associate Professor and Registrar
J.R. Long, D.V.M. (Toronto), M.S. (Cornell), Ph.D (Guelph) - Sessional Lecturer from N.S. Dept. of Agriculture and Marketing
W.G. Mathewson, B.Sc. (Agr.) (Aberdeen), D.T.A. (Trinidad), M.Sc. (Aberdeen) - Associate Professor
D.L. Patterson, B.Sc. (Alberta), M.Sc. (Guelph), Ph.D (Guelph) - Assistant Professor
T. Tennessen, B.A. (Alberta), B.Sc. (Alberta), M.Sc. (Alberta), Ph.D (Alberta) - Assistant Professor

Biology

L.A. McFadden, B.Sc. (Agr.) (McGill), M.Sc. (Cornell), Ph.D. (Cornell) - Professor and Head
A.E. Roland, B.A. (Acadia), M.A. (Toronto), Ph.D(Wisconsin),D.Sc.(Acadia), D.Sc.(Dalhousie), F.A.I.C. - Professor Emeritus
M.E. Neary, B.Sc. (Agr.) (McGill) - Professor Emeritus
L.E. Crosby, B.Sc. (Acadia), M.Sc. (Acadia) - Associate Professor
L.J. Eaton, B.Sc. (Acadia), M.Sc. (Dalhousie) - Associate Professor
A.B. Gray, B.Sc. (Bishops), M.Sc. (McGill) - Assistant Professor
J.-P.R. Le Blanc, B.A. (Montreal), B.Sc. (Quebec), Ph.D (Alberta) - Assistant Professor

A.R.Olson, B.A. (Augustana), M.Sc. (Wisconsin), Ph.D (Alberta) - Associate Professor
M.G. Sampson, B.Sc. (Dalhousie), B.Sc. (Agr.) (McGill), M.Sc. (McGill) - Lecturer
G.W. Stratton, B.Sc. (Agr.) (Guelph), M.Sc. (Guelph), Ph.D (Guelph) - Assistant Professor

Chemistry-Soils

H.M. MacConnell, B.Sc. (Agr.) (McGill), M.Sc. (McGill) - Associate Professor and Head
W.M. Langille, B.Sc. (Acadia), M.Sc. (McGill) - Professor Emeritus
J.E. Hawley, B.Sc. (Agr.) (McGill) - Assistant Professor
K.S. MacLean, B.Sc. (Dalhousie), M.Sc. (McGill) - Associate Professor
H.F. MacRae, B.Sc. (Agr.) (McGill), Ph.D (McGill) - Principal & Professor
J.C. Miller, B.Sc. (Agr.) (Guelph), M.Sc. (Alberta) - Lecturer
A.S. Payne, B.Sc. (Agr.) (McGill), M.Sc. (McGill) - Associate Professor
A.R. Robinson, B.Sc. (Agr.) (McGill), M.Sc. (McGill), Ph.D (McGill) - Professor
P.R. Warman, B.Sc. (Agr.) (Rutgers), M.Sc. (Guelph), Ph.D (Guelph) - Associate Professor

Economics and Business Management

J.C. Tait, B.Sc. (Agr.) (McGill), M.Sc. (New Hampshire) - Associate Professor and Head
D.E. Arnfast, B.B.A. (St. Francis Xavier) - Assistant Professor
A.D. Ells, B.Sc. (Agr.) (McGill), M.A. (Acadia) - Associate Professor
J.J. Brennan, B.Sc. (Agr.) (McGill), M.Sc. (Alberta) - Assistant Professor
K.G. Grant, B.A. (Acadia), M.A. (Western Ontario), Ph.D (Western Ontario) - Assistant Professor
S.J.B. Stackhouse, B.Sc. (Agr.Ec.) (Guelph), M.Sc. (Guelph) - Associate Professor
Y.R. Surry, B.A. (Paris), M.A. (Paris), M.Sc. (Guelph) - Lecturer

Humanities

P. M. Sanger, B.A. (Melbourne), B.Ed. (Acadia), M.A. (Victoria) - Associate Professor and Head (Eff. Nov. 1985)
Parker Cox, B.A. (Acadia), M.A. (Toronto) - Professor Emeritus
Rev. D.I. MacEachern, B.A. (Mt. Allison), M.Div. (Pine Hill) - Associate Professor
D.E. MacLeod, B.A. (Dalhousie), B.Ed. (Acadia) - Assistant Professor
K. S. Marchant, B.P.Ed. (New Brunswick), M.S. (Springfield) - Associate Professor
L.L. Sanderson, B.Sc. (Agr.) (Guelph), M.Sc. (Guelph) - Lecturer
J.M. Smith, B.P.Ed. (Dalhousie) - Assistant Professor

Mathematics and Physics

S.G. Smith, B.Sc. (Mt. Allison), M.Sc. (Windsor) - Associate Professor and Head
D.G. Bishop, B.Eng. (Agr.) (Technical University of Nova Scotia), M.Eng. (Agr.) (Technical University of Nova Scotia) - Assistant Professor
R.V. Buckler, B.Sc. (Acadia), B.Ed. (Acadia) - Assistant Professor
I.M. Fraser, B.Sc. (Dalhousie), M.A. (Maine) - Associate Professor and Vice-Principal
C.T. Madigan, B.Sc. (Windsor), M.Sc. (Windsor) - Associate Professor
V.L. Saxon, B.Sc. (Dalhousie), M.B.A. (Dalhousie), B.Ed. (Acadia), B.Eng. (Nova Scotia Technical College) - Associate Professor

Plant Science

R.K. Prange, B.Sc. (Acadia), M.Sc. (British Columbia), Ph.D. (McGill) - Professor and Head
J.E. Shuh, B.S.A. (Toronto), M.Sc. (McGill) - Professor Emeritus
J.S. Bubar, B.Sc.(Agr.) (McGill), M.S. (Pennsylvania State), Ph.D. (McGill) - Professor
C.D. Caldwell, B.Sc. (Mt. Allison), M.Sc. (Dalhousie), Ph.D (East Anglia) - Assistant Professor
R.W. Daniels, B.Sc. (Agr.) (McGill), M.S. (Michigan State) - Associate Professor
J. Fraser, B.Sc. (London), M.Sc. (Aberdeen), Ph.D (Canterbury) - Assistant Professor
T.H. Haliburton, B.Sc. (Agr.) (McGill), M.S. (Cornell) - Associate Professor
W.J. Higgins, B.Sc. (Mt. Allison), M.S. in Ed. (Niagara) - Associate Professor
H.-Y. Ju, B.Sc. (Agronomy) (Seoul), M.Sc. (McGill), Ph.D (McGill) - Assistant Professor
J. Nowak, M.Sc. (Olsztyn), Ph.D (Olsztyn), Ph.D. Habil (Olsztyn) - Associate Professor
K. Padmanathan, B.Sc. (Madras), B.Sc. (Agr.) (Columbia), M.Sc. (Pennsylvania State), Ph.D (Pennsylvania State) - Professor
R.G. Robertson, B.Sc. (For.) (Aberdeen) - Sessional Lecturer from N.S. Dept. of Lands and Forests

COURSES OFFERED

DEGREE

A complete four-year course leading to a degree in Agricultural Sciences (B.Sc. (Agr.)) is offered with a choice of the following options:

Agricultural Chemistry-Soils
Agricultural Economics
Agricultural Mechanization
Animal Science
Plant Protection
Plant Science

Students can take other options without interruption by transferring to the third year of the B.Sc.(Agr.) program at Macdonald College of McGill University, the University of Guelph, the University of Maine or Faculty of Agriculture at another university.

Engineering students who successfully complete the three years of the Agricultural Engineering degree course can proceed to Macdonald College of McGill University or the University of Guelph or can apply to the Technical University of Nova Scotia or to another engineering faculty to complete their program of study.

Students who wish to take the three year Pre-Veterinary program to meet admission requirements of the Atlantic College of Veterinary Medicine at the University of Prince Edward Island must, after completing the first year, enter the Animal Science option and take a specific selection of subjects. The Pre-Vet program also serves as the first three years of the B.Sc.(Agr.) program, Animal Science option. For other options it may take more than one year to complete the B.Sc.(Agr.) program.

TECHNICIAN

The following two-year programs of study are offered:

Agricultural Business
Agricultural Mechanization
Animal Science
Farm Equipment
Plant Science

TECHNOLOGY

The following two-year programs of study are offered:

Biology Laboratory Technology
Chemistry Laboratory Technology
Landscape Horticulture Technology

The following two-year programs are offered only to students who have successfully completed one year of a specified Technician Course (or equivalent):

Agricultural Engineering Technology
Farming Technology

Students in the Farming Technology Course spend eleven months (including summers) of their course work on farms. Seven of those months consist of structured training under a farmer/instructor.

Agricultural Technology is a one-year program, tailored to meet the needs of the student. Only Technician graduates are eligible to apply for this course.

SUMMARY OF VOCATIONAL AND CONTINUING EDUCATION PROGRAMS
April 1, 1985 - March 31, 1986

Vocational courses have been designed to assist men and women who enter or progress in farm or farm related careers. Forty-six courses were held with 601 persons enrolled, totalling 10,618 student training days.

The Canada Employment and Immigration Commission sponsored 300 persons by paying their tuition and on courses over 10 days duration a training allowance. Details on enrollment can be seen in the following tables.

Province	Number of Students			% of Total Students		
	1983/84	1984/85	1985/86	1983/84	1984/85	1985/86
Nova Scotia	427	709	470	63.6	78.3	78.2
New Brunswick	86	82	68	12.8	9.1	11.3
P.E.I.	27	36	20	4.0	4.0	3.3
Newfoundland	24	18	19	3.6	2.0	3.1
Other Residents	107	60	24	16.0	6.6	3.9
Total Number Enrolled	671	905	601			

Total Number Graduated	614	854	554
Total Sponsored by C.E.C.	356	440	300
Total Student Training Days	12,626	14,285	10,618

In conducting these courses, college staff was supplemented by organizational and lecture assistance from many sources, with the Nova Scotia Department of Agriculture and Marketing being the major contributor. Guest instructors for many topics are recruited from various federal research stations, other federal and provincial government services, business firms and private entrepreneurs.

The following courses were offered from April 1, 1985 to March 31, 1986:

VOCATIONAL COURSES:

Horse Care Program
Farm Skill Course
Potato Production Course
Farm Accounting
Artificial Insemination
Weed Identification, Control, Application, and Safety
Advanced Beekeeping
Tree Fruit Production
Blueberry Custom Operators Course
Preventive Maintenance & Preparation of Farm Machinery
Landscape Maintenance
Grape Production
Meat Cutting Course
Farrier Course
Basic Christmas Tree Shearing
Draft Horse Shoeing Course
Dairy Herd Operation Course
Level I Coaching
Dairy Farm Management
Turf Management Course
Floral Design Course
Basic Farm Welding
Basic Ironwork Course
Husbandry Skills

CONTINUING EDUCATION COURSES:

Turf Production Day
Basic Flower Arranging for the Home
Basic Farm Welding
Spanish Course
Landscape Maintenance Course
Physics MP100
Pet Health
Berry and Tree Fruit Production
Introductory Beekeeping

HOME STUDY COURSES:

Farm Safety Guide
Sheep Production
Soil Management for Crop Production
Vegetable Production
Chainsaw Course

SCHOLARSHIP WINNERS
AUTUMN ASSEMBLY

OCTOBER 9, 1985

Autumn Assembly, which is held annually to present awards and scholarships to students, took place on October 9, 1985. Hon. Terence R.B. Donahoe, Q.C., Minister of Education for the Province of Nova Scotia, was the guest speaker.

GENERAL SCHOLARSHIPS

N.S. Dept. of Agriculture and Marketing Scholarships, $1500
Jane Brooks, R.R. #6, Kingston, N.S.
Fiona Foster, R.R. #4, Amherst, N.S.
Jill Hume, Chester, N.S.

The Nova Scotia Agricultural College Alumni Assoc., $1000
Cynthia Rodd, 141 Spring Park Rd., Charlottetown,P.E.I.
Janice Verhulp, R.R. # , Bonshaw, P.E.I.

The A.C. Neish Memorial Trust Scholarship, $1000
Elizabeth Hale, 201 Clark St., Summerside, P.E.I.

The Atlantic Fertilizer Institute Scholarship, $1000
Jeffrey Allen, R.R. #2, Centreville, N.S.

Canada Packers Scholarship, $1000
John Cant, Sackville, N.B.

Canadian National Exhibition Scholarship, $1000
Peter Boswall, R.R.#3, Charlottetown, P.E.I.
Lisa Curwin, 25 Emery St., Riverview, N.B.
Craig Kent, R.R. #1, Truro, N.S.

The Nova Scotia Institute of Agrologists, $1000
Colin Palmer, R.R. #1, Aylesford, N.S.

Co-op Atlantic Scholarship, $1000
Beverly Connell, R.R. #3, Lawrencetown, N.S.

N.S. Milk Producers Scholarship, $1000
Lynne Cameron, Margaree Forks, N.S.

F.W. Walsh Memorial Scholarship, $800
Lynda Ramsay, R.R. #1, Miscouche, P.E.I.

The Atlantic Fertilizer Institute Scholarship, $500
James Slipp, R.R. #2, Woodstock, N.B.

The Ernest L. Eaton Scholarships, $500
Carl Duivenvoorden, Jacquet River, N.B.
Kathleen Swan, R.R. #2, Debert, N.S.

Women's Institute Scholarship, $500
William MacLeod, 69 Lake Road, Glace Bay, N.S.

Col. Charles H. Coll Memorial Scholarship, $500
Geneve Gardiner, 7 Hemlock Ave., Truro, N.S.

New Brunswick Poultry Council Scholarship, $450
Susan Hughson, R.R. #5, Fredericton, N.B.

The Canadian Feed Industry Assoc. (Atlantic Division) Scholarship, $400
Veronika Brandt, R.R. #1, Merigomish, N.S.

The Vice-Principal's Scholarship, $400
Constance Priest, Belmont, N.S.

N.S. Federation of Agriculture Scholarships, $300
Ira Andrews, Guysborough, N.S.
Kenneth Rockey, R.R. #3, Merigomish, N.S.

Ira L. Rhodenizer Memorial Scholarship, $300
Janice Foster, R.R. #3, Middleton, N.S.

The Donald E. Clark Memorial Scholarship, $300
Carl Picketts, R.R. #4, Kensington, P.E.I.

Raymond Webber Memorial Scholarship, $300
Allen MacLeod, 59 Dolbin Street, Sydney, N.S.

Atlantic Provinces Hatchery Federation Scholarship, $300
Craig Newcombe, Belcher Street, Port Williams, N.S.

Atlantic Provinces Hatchery Federation Scholarship, $200
Thane Ehler, R.R. #1, Afton, N.S.

Cobequid Dog Club, $200
John Earle, 61 Main St., Lewisporte, Nfld.

The A. W. MacKenzie Scholarship, $150
Wilma Schenkels, Red Bank, N.B.

Wilfred Cyr Memorial Scholarship, $100
Sophie Bernard, 10 Downsview Ave., Moncton, N.B.
Wilma Schenkels, Red Bank, N.B.

The Dorothy Creelman Cox Scholarship
Sarah Macdonald, 262 Brunswick St., Truro, N.S.

The Dr. Kenneth Cox Scholarship
Margaret Hope-Simpson, Wolfville, N.S.

PROVINCIAL SCHOLARSHIPS

New Brunswick (Degree)

$700

Kimberly Allen, R.R. #1, Mouth of Keswick
Suzanne Bulman, 10 Shibu Court, Fredericton
Carl Duivenvoorden, Jacquet River
Christine Murray, R.R. #3, Oromocto
Krista McAllister, R.R. #1, Millerton
Robert MacDiarmid, R.R. #3, Chatham
Shannan O'Neill, 319 Pleasant St., Newcastle
Sally Steeves, 116 Elm Street, Woodstock
Christina Stewart, 3 Hedley Street, Saint John
Heidi Turner, R.R. #2, Belleisle Creek

$500

Darlene Acton, R.R. #2, Sackville
Stewart Anderson, R.R. #2, Sussex
Sophie Bernard, 10 Downsview Ave., Moncton
John Cant, Sackville
John DeLong, 116 Athabaska Ave., Riverview
Jane Duivenvoorden, Jacquet River
Bernard Gallant, R.R. #1, Grande-Digue
Neal Mundle, 58 Dominion St., Moncton
Eric Ritchie, Bath
Helen Simpson, R.R. #3, St. Stephen
Wilma Schenkels, Red Bank
Eltjo Van Cingel, R.R. #1, Upperkent

$250

Serge LeBlanc, 146 Rue Eglise, St. Antoine
Christopher Uy, 45 Bell Manor Dr., Saint John

Nova Scotia (Degree)

$1500

Craig Kent, R.R. #1, Truro
Catherine Palmer, Horne Settlement Rd., Enfield
Helene Van Doninck, 631 George St., New Waterford

$1000

James Anderson, R.R. #3, Westville
Ira Andrews, Guysborough
Laurel Bartlett, R.R. #2, Truro
Ian Blenkharn, R.R. #3, Saltsprings
Veronika Brandt, R.R. #1, Merigomish
Lynne Cameron, Margaree Forks
Lise Cohrs, 8 Rosemount Ave., Halifax
David Colborne, 92 Dominion St., Truro
Sherri Coldwell, Trenton
Kathleen Collins, R.R. #1, Truro
Cheryl DeYoung, 1018 Waverly Rd., Waverly
Siegmar Doelle, Granville Beach
Christopher Ells, R.R. #5, Bridgewater
Leonard Ells, R.R. #5, Bridgewater

Janice Foster, R.R. #3, Middleton
Jonathan Hill, 14 Nelson Dr., Lower Sackville
Margaret Hope-Simpson, Wolfville
Scott Hosking, 47A Andover St., Halifax
Rachel Jones, Berwick
Beth Kyle, R.R. #2, Amherst
Carmencita Lake, Bridgetown
Dean Manning, R.R. #2, Falmouth
Richard Melvin, New Ross
Karen Mills, Head of St. Margaret's Bay
Diane Moores, 40 Moulton Ave., North Sydney
Brian MacCulloch, R.R. #2, New Glasgow
Sarah Macdonald, 262 Brunswick St., Truro
Peter MacIntyre, R.R. #2, Bras d'Or
Colin Palmer, R.R. #1, Aylesford
Shelley Pick, R.R. #1, Upper Rawdon
Alan Porter, R.R. #1, Belmont
Constance Priest, Belmont
Kathleen Swan, R.R. #2, Debert
Andrew Van Kessell, R. R. #1, New Glasgow

$500

Ann Allen, 2C Hillcrest St., Truro
Lloyde Blois, R.R. #1, Elmsdale
Beverly Connell, R.R. #3, Lawrencetown
Debbi Levy, 17 Western Ave., Parrsboro
William MacLeod, 69 Lake Road, Glace Bay

PRINCE EDWARD ISLAND (Degree)

$700

Juanita Diamond, R.R. #1, Winsloe
Gregory Donald, R.R. #2, Kensington
Elizabeth Hale, 201 Clark St., Summerside
Peter Lawson, 111 Maple Ave., Sherwood
Paul MacDonald, R.R. #4, St. Peter's Bay
Lynda Ramsay, R.R. #1, Miscouche
Janice Verhulp, R.R. #3, Bonshaw

$600

Eileen Higginbotham, Lower Montague
James Murphy, Souris

$500

Peter Boswall, R.R. #3, Charlottetown
Deborah Douglas, R.R. #1, Tyne Valley
Glen Ellsworth, Skinners Pond
Sandra Gamble, R.R. #1, Charlottetown
Arnold Hagen, R.R. #1, Breadalbane
Scott Howatt, R.R. #1, Tryon
Grant MacKenzie, R.R. #3, Bonshaw
Gloria Penny, R.R. #1, Charlottetown
Nancy Statts, R.R. #1, Crapaud
Kristi Tattrie, R.R. #1, Montague
Walter Termeer, R.R. #6, Kensington
Brian Willis, Charlottetown

NEWFOUNDLAND (Degree)

$700 — Janice Gill, Bishop's Falls
Robert Jones, Carbonear
Kevin Sullivan, Pouch Cove

TECHNICIAN & TECHNOLOGY

NEW BRUNSWICK

$200 — Suzanne LeBlanc, 203 Cedar Street, Moncton
Maurice Robichaud, R.R. #1, Richibucto
James Slipp, R.R. #2, Woodstock

NOVA SCOTIA

$200 — Darren Allison, Curry's Corner, Windsor
Margaret Clyburne, R.R. #1, New Glasgow
Anna Fitzgerald, R.R. #4, Tatamagouche
Richard Higgins, R.R. #2, Middle Musquodoboit
Valerie Kyte, St. Peter's
Floris Mullen, R.R. #2, Weymouth
Gwen MacLean, R.R. #2, Pictou
Allen MacLeod, 59 Dolbin Street, Sydney
Kenneth Rockey, R.R. #3, Merigomish
Marlene Thompson, 192 Main Street, Truro

BURSARIES

Farm Credit Corporation Bursary, $1000
Ian Blenkharn, R.R. #3, Saltsprings, N.S.

Beaver Foods Limited Bursaries, $500
Kimberly Allen, R.R. #1, Mouth of Keswick, N.B.
Darren Allison, Curry's Corner, Windsor, N.S.

David W. Brown Bursary,$500
Jeffrey Allen, R.R. #2, Centreville, N.S.
Cynthia Duffy, R.R. #2, Hampton, N.B.

Co-op Atlantic, $500
Randall Affleck, Lower Bedeque, P.E.I.
Richard Higgins, R.R. #2, Middle Musquodoboit, N.S.
Lynn Kelly, R.R. #9, Moncton, N.B.

Farm Focus Bursary, $200
Heidi Turner, R.R. #2, Belleisle Creek, N.B.

Dr. Robert G. Rix Family Farm Bursary, $200
Janet Younker, R.R. #3, Cornwall, P.E.I.

The Edith Main Memorial Bursary, $100
Crystal Mullen, R.R. #2, Weymouth, N.S.

PRIZES

N.S. Veterinary Medical Association Prize, $200
Kimberly Best, R.R. #1, Cambridge Station, N.S.

King Grain - Gerry Smeltzer Award, $100
Kenneth Rockey, R.R. #3, Merigomish, N.S.

The Roy H. Stevenson Prize in Mathematics and Physics, $100
Craig Kent, R.R. #1, Truro, N.S.

The Lorne C. Callbeck Prize, $50
Heidi Turner, R.R. #2, Belleisle Creek, N.B.

The H. J. Fraser Memorial Prize in English
Heidi Turner, R.R. #2, Belleisle Creek, N.B

ATHLETICS IN REVIEW

The Nova Scotia Agricultural College Rams again participated in the Nova Scotia College Conference. The following teams participated in Conference play:

Soccer - women and men
Volleyball - men
Basketball - women
Hockey - men
Badminton - women and men
X-Country Run - women and men

The Woodpersons (1 women's team, 2 men's teams) participated in four competitions during the past year: U. N. B.; Unity; Macdonald College and hosted their first competition.

N.S.A.C. WOMEN'S SOCCER

The women's soccer team had a mediocre season this year with again a large number of new players who had no previous soccer experience. League play involved a home and home series with other Conference teams which saw the A.C. squad emerge winless.

Exhibition play was carried on with local teams and one invitational tourney. With a number of serious injuries and play movement, the program catered to as many as sixteen students.

The athletes listed were recognized at the Athletic Awards Banquet:

Most Valuable Player - Wilma Schenkels
Rookie of the Year - Diane Stevens
Most Improved Player - Lisa Kent

N.S.A.C. MEN'S SOCCER

The 1985 edition of the N.S.A.C. men's soccer team had a very successful season. The team, comprised of ten rookies and five returnees, finished second in the very strong, competitive league. The Rams had a record of 5 wins, 3 ties, and 2 losses. Team co-captain and senior, Jim Slipp, was the leading scorer on the blue and gold squad, scoring five (5) goals. The A.C. eleven won the U.C.C.B. Invitational Tournament in Sydney by beating both U.C.C.B. and the Coast Guard College in the round-robin tournament.

In the post-season play-off round the Rams fell 2-1 to the Capers who went on to beat TUNS 1-0 and capture their second consecutive championship. In the consolation round the A.C. squad beat the Kings 5-1.

Two rookies were recognized by their peers in being selected to the All-Conference Team. Dave Sweeney was selected for goalkeeper duties while Derrick Lynch was selected to patrol the backfield.

Other seniors graduating with Slipp were Carl Duivenvoorden, Mike Steen, Paul Richardson and Jim Keen. The N.S.A.C. and co-coaches Findlay MacRae and Ken Marchant extend their appreciation for the dedication and contribution these athletes have made to their College and the game, and we wish them every success.

The following awards were presented at the Athletic Awards Banquet:

Most Valuable Player - Jim Slipp
Rookie of the Year - Dave Sweeney
Most Improved Player - Paul Gamba

HOCKEY

The Hockey Rams had a very successful and busy season for 1985-86. Competing in the local District League for the first time, the boys finished 2nd in League play before being defeated in the first round of play-offs. Over the 18 game schedule, Kevin Coates and Brian MacDonald were the top point getters with 36 and 31 points respectively.

In the Nova Scotia College Conference schedule the Rams, for the second year in a row, went undefeated to win the Mainland Title rolling over opponents at every opportunity. In the NSCC Championship, however, they lost to UCCB for the overall title.

Award winners for the season:

MVP - Kevin Coates
MIP - Kyle Murray
Rookie - Doug LeClair
All-Conference - Kevin Coates
- Tom Byers
All Canadian - Kevin Coates

VOLLEYBALL

The men's squad this year challenged every team in the Nova Scotia College Conference before eventually placing fifth and out of play-offs.

In NSCC tournament play, the team finished with a 4th, 3rd and a 5th. In league match play the team won games against every opponent but could not overcome the obstacles and remained winless in the "match" column.

MVP - Chuck Smith
MIP - Danny LeBlanc
Rookie - Danny Doherty
All-Conference - Bill Travis

WOMEN'S BASKETBALL

The '85-'86 Rams experienced a relatively successful season, although troubled somewhat by inconsistent play. In Conference league action the girls finished 4th, lost by 5 in the first round of Championships and won Consolation honors for a 3rd place finish overall.

Exhibition play was limited, with successes against Alumni, local squads and a Consolation victory at the UNB-Saint John Invitational to their credit.

Due to eligibility and graduation the Rams lose Donna Noble, Kate Broadbent, Darlene Acton and Janet Younker. All have given a great deal to Varsity Athletics and will be missed next season.

Award winners for the season include:

Tournament MVP's	- NSAC	Donna Noble Jane Duivenvoorden
	- UNBSJ	Donna Noble Darlene Acton
	MVP	Darlene Acton
	MIP	Helen Harrison
	Rookie	Jill Sullivan

All-Conference	Donna Noble
	Darlene Acton
All Canadian	Darlene Acton

BADMINTON

A surge in the interest in badminton accounted for a large try-out and resulted in a very successful year. Competing in the NSCC tournaments, along with local competition, prepared the group for their 5th place finish at Championships.

Glenda Hunter and Jenny Gilmore were successful in winning the NSCC Championship in Women's Doubles which qualified them for National competition. Travelling to Nanaimo, B.C. for CCAA Championships, the pair placed 6th among competitors from across the Nation.

1985 -86 Award Winners:

MVP - John Suidgeest
Rookie - Jenny Gilmore
MIP - Terry Jones

Conference Winners:

Jenny Gilmore
Glenda Hunter

WOODSPERSONS

The teams representing N.S.A.C. once again finished well in competition in their 1985-86 schedule.

UNB Meet:	NSAC 'A'	3rd
	NSAC 'B'	6th
	NSAC 'C'	16th (2nd women's division)
Unity Meet:	NSAC 'A'	1st
	NSAC 'B'	4th
	NSAC 'C'	4th (women's)
Macdonald Meet:	NSAC 'B'	2nd
	NSAC 'A'	5th
	NSAC 'C'	17th (3rd women's division)
1st Annual N. S. A. C. Meet:	NSAC 'A'	1st

NSAC 'B' 4th
NSAC 'C' 10th (3rd women's division)

1985-86 Award Winners

Most Valuable Player

Lise LeBlanc
Andy Spence

Rookie:

Christina Stewart
David Weatherhead

The Nova Scotia Agricultural College hosted its first annual competition February 10, with representative teams from Macdonald, U.N.B., Unity and host, NSAC. The United Students Council sponsored the very successful event.

N.S.A.C. ATHLETES HOLD REUNION

Former Nova Scotia Agricultural College varsity athletes gathered on Campus during the Annual College Royal weekend. Activities began with a general assembly where a core committee initiated plans for the Ram Chargers' Club. This new Varsity Alumni group has begun planning to initiate a support structure for present varsity programs, as well as a method of keeping in touch with teammates from their College years.

Athletic Director, Ken Marchant, is pleased that former athletes, Bruce Bishop ('73), Stephen MacMackin ('81), and Don MacNeil ('58) are leading the way in the formation of the Club and will be contacting many more former athletes to increase membership and strengthen the network of former varsity players.

Following the assembly, former Rams took to the basketball court. They were successful in rolling back the years to display talents that had not diminished.

The day ended with a reception hosted by the Athletic Department at which time Dr. H. F. MacRae, College Principal, welcomed all varsity alumni expressing his thanks and approval of alumni support to the athletic program.

Any former "Aggies" who would like to become involved or wish more information, contact Ken Marchant, P. O. Box 550, Truro, N. S. B2N 5E3.

PRINCIPAL'S LIST

On Tuesday, March 11, Dr. H. F. MacRae entertained 48 students of the Nova Scotia Agricultural College at a dinner given in their honour at the Riverview Room. The Principal's List honours those students who have achieved academic excellence at the College.

The guest speaker was Mr. Walter Grant, Deputy Minister, Dept. of Agriculture and Marketing for the Province of Nova Scotia.

Each student was presented with a plague in recognition of his/her achievement.

NOVA SCOTIA

Ira Andrews, Guysborough
Kimberly Best, R.R. # 1, Cambridge Station
Jane Brooks, R. R. # 6, Kingston
James Chisholm, R. R. # 3, St. Andrews
Sherri Coldwell, Trenton
James Eaton, R. R. # 1, Great Village
Anna Fitzgerald, R. R. # 4, Tatamagouche
Colin Fraser, R. R. # 1, Saltsprings
John Henry, 15 Victoria St., Truro
Jill Hume, Chester
Eric Jackson, R. R. # 2, Upper Stewiacke
Craig Kent, R. R. # 1, Truro
Robert Kinley, 19 Dewhurst Drive, Dartmouth
Helen MacDonald, R. R. # 2, Hopewell
Miles MacDonald, 538 Coxheath Road, Sydney
Sarah MacDonald, 262 Brunswick St., Truro
Tracey MacRae, R. R. # 6, Truro
Floris Mullen, R. R. # 2, Weymouth
Catherine Palmer, R. R. # 2, Trenton
Mary Anne Pierik, R. R. # 1, Port Williams
D. Alan Porter, R. R. # 1, Belmont
Constance Priest, Belmont
Paul Richardson, R. R. # 4, New Glasgow
Kenneth Rockey, R. R. # 3, Merigomish
S. Elizabeth Sheppard, Gabarus
Kathleen Swan, R. R. # 2, Debert
Marlene Thompson, 192 Main St., Truro
Andrew Van Kessel, R. R. # 1, New Glasgow

NEW BRUNSWICK

Sophie Bernard, 10 Downsview Ave., Moncton
Michael Bouma, R. R. # 1, Robertville
Suzanne Bulman, 10 Shibu Court, Fredericton

David Colborne, Hampton
John DeLong, 116 Athabaska Ave., Riverview
Carl Duivenvoorden, Jacquet River
Suzanne LeBlanc, 203 Cedar St., Moncton
C. Dawn Miller, 713 Cleveland Ave., Riverview
Michele White, 6 Barbara Court, Rothesay

PRINCE EDWARD ISLAND

Ronald Coles, R. R. # 3, Charlottetown
Juanita Diamond, R. R. # 1, Winsloe
Elizabeth Hale, 201 Clark St., Summerside
Carl Picketts, R. R. # 4, Kensington
Cynthia Rodd, 141 Spring Park Rd., Charlottetown
Janice Verhulp, R. R. # 3, Bonshaw

NEWFOUNDLAND

Liesl Bland, Grand Falls
Gillian Calder, Jersey Lodge, Burgeo
Robert Trenholm, 82 Hamlyn Road, St. John's

OTHER

Derek Lynch, Kaslo, B.C.
Kenneth Wiyo, Mlangeni Ntcheu, Malawi

CONVOCATION

The Convocation Exercises were held on Wednesday, May 7, 1986 at the Athletic Centre. The winners of the Governor-General's Medals were Carl Duivenvoorden, Degree Student and Suzanne LeBlanc, a Technical Student. Other awards were presented to Andrew Van Kessel and A. Marie Betts, Atlantic Provinces Swine Producers Awards; Elizabeth Hale, Ketchum Manufacturing Company Ltd. Prize; Kimberley Best, K. DeGeus Memorial Prize for Plant Science. The valedictory address was delivered by Gerry Kennie.

BACHELOR OF SCIENCE IN AGRICULTURE DEGREES

AGRICULTURAL ECONOMICS

With Hign Honours

Paul David MacDonald, St. Peter's Bay, P.E.I.

With Honours

Darlene Lynne Cameron, Margaree Forks, N.S.

Darlene Ina Acton, Sackville, N.B.
Ian Blenkharn, Saltsprings, N.S.
Charles Isaac Gallagher, Fredericton, N.B.

ANIMAL SCIENCE

With High Honours

Elizabeth Margaret Hale, Summerside, P.E.I.

With Honours

Andrew Gerald Van Kessel, New Glasgow, N.S.

Susan Elaine Archibald, New Glasgow, N.S.
Kimberly Anne Barkhouse, Hubbards, N.S.
John Paul Cant, Sackville, N.B.
Carl Edward Dingee, Glassville, N.B.
Sandra Lynn Gamble, Charlottetown, P.E.I.
Diane Geneve Gardner, Truro, N.S.
James Stewart Keen, Murray River, P.E.I.
Debbi Lorraine Levy, Parrsboro, N.S.
Fiona Nettleton, Truro, N.S.
Robert Craig Newcombe, Port Williams, N.S.
Gloria Anne Audrey Penny, Charlottetown, P.E.I.
Joanne Elizabeth Rutledge, Bathurst, N.B.
Russell Michael Steen, Dartmouth, N.S.
Rebecca Anne Steeves, Woodstock, N.B.
Phyllis Annette Marie Tarrant, Antigonish, N.S.

PLANT PROTECTION

With High Honours

Juanita Florence Diamond, Winsloe, P.E.I.

With Honours

Constance Francis Priest, Belmont, N.S.

Helen Jane Archibald, New Glasgow, N.S.
David Raymond Bell, Tatamagouche, N.S.
Allan Vernon Weldon Brown, Southampton, N.S.
Blair Campbell Clark, Cavendish, P.E.I.
Gregg Carl Cunningham, Dartmouth, N.S.

Linda Jeannette Freeman, Brookfield, N.S.
Margaret Ellen Hope-Simpson, Wolfville, N.S.
David Ross Landry, Truro, N.S.
Serge Joseph LeBlanc, St. Antoine, N.B.
Gilberte Marie Leger, Cap-Pele, N.B.
Sandra Marie MacNeil, Antigonish, N.S.
Seyed Ali Mohammad Nejet, Tehran, Iran
Kevin Ralph Patterson, Windsor, N.S.
Charles Francis Smith, Truro, N.S.

PLANT SCIENCE

With High Honours

Carl Job Duivenvoorden, Jacquet Rv., N.B.

With Honours

Laurel Gloria Bartlett, Truro, N.S.
John Myers DeLong, Riverview, N.B.

Ralph Eric Bosveld, Kentville, N.S.
David Frederick Harvey, Glassville, N.B.
Paul Allen Holt, Port Williams, N.S.
Gerry Leonard Kennie, Wolfville, N.S.
Thomas Jack Mailman, Bridgewater, N.S.
Calvin Reid Piggot, Truro, N.S.

AGRICULTURAL ENGINEERING DEGREE - DIPLOMAS

With Honours

Robert Gordon Trenholm, St. John's, Nfld.

Pierre-Yves Gasser, Pike River, Quebec
Wilfred Norman Kaiser, Baddeck, N.S.
Raymond Wilbert MacKenzie, Millview, P.E.I.
Sheldon Roy MacLennan, New Glasgow, N.S.
Darrell Estwood McIsaac, Stickney, N.B.

TECHNICIAN DIPLOMAS

AGRICULTURAL BUSINESS

With Honours

James Sidney Slipp, Woodstock, N.B.

James Austin Chisholm, St. Andrews, N.S.
Darla Ann Clow, Lower Freetown, P.E.I.
Martin Evan Coldwell, Wolfville, N.S.
John Willy Delodder, Montague, P.E.I.
Anthony James Gorham, Fredericton, N.B.
Douglas Joseph LeClair, Tignish, P.E.I.
Allison Scott Noye, Belmont, P.E.I.
Bradley Kirk Palmer, Berwick, N.S.
Susan Augusta Sullivan, Rexton, N.B.
Patrick Joseph Versteeg, Shubenacadie, N.S.
Osbourne Kenneth Ward, Centreville, N.S.
Andrew Gordon Watson, Northport, N.S.

AGRICULTURAL MECHANIZATION

With High Honours

Carl Duncan Picketts, Kensington, P.E.I.

Jeffrey John Kay, Sackville, N.B.
Andrew Mark Spence, Windsor, N.S.
Stephen Reagh Spinney, Kingston, N.S.
Craig Darryll Wheaton, Sackville, N.B.

ANIMAL SCIENCE

With Honours

Alayne Marie Betts, Winsloe, P.E.I.
Ronald Gordon Coles, Charlottetown, P.E.I.

Shauna Marie Billard, Georges River, N.S.
Christine Virginia Clark, Kensington, P.E.I.
Alexandra Bea Crozier, Truro, N.S.
Traci Lockhart Lei Curry, Falmouth, N.S.
Cynthia Anne Duffy, Hampton, N.B.
Susan Lynne Fitch, Kingston, N.S.
Krista Joan Lounsbury, Petitcodiac, N.B.
Shelley Elizabeth MacDonald, Kensington, P.E.I.
William MacKendrick, Bloomfield, P.E.I.
Richard Douglas MacKenzie, Dartmouth, N.S.
Daniel Kevin Phinney, Bridgetown, N.S.
John Ralph Robinson, Sussex, N.B.

FARM EQUIPMENT

Christopher John Franklin, Truro, N.S.

Randy Donald Goss, Scoudouc, N.B.
Stephen George Nunn, Lower Sackville, N.S.

PLANT SCIENCE

With High Honours

Michael Christopher Bouma, Robertville, N.B.
Patricia Mary Nunan, Mississauga, Ont.
Kenneth Lloyd Rockey, Merigomish, N.S.
Kim Shelley Thistle, Corner Brook, Nfld.
Marlene Nettie Thompson, Truro, N.S.

With Honours

Danny Allan Dill, Windsor, N.S.
Andrew Stewart King, Truro, N.S.

James Gordon Brewster, Hartland, N.B.
Peter MacKay Dickson, Riverview, N.B.
Heather Lynn Fraser, Lower Sackville, N.S.
John David Fraser, Hazelbrook, P.E.I.
Jonathan Adriel Fuller, Avonport, N.S.
Deborah Leigh Hovey, Rothesay, N.B.
Jacqueline Kennedy, Antigonish, N.S.
Denise Marie Mazerolle, Richibouctou, N.B.
Barry James MacDonald, Dartmouth, N.S.
Charlotte Joanne MacDonald, Glace Bay, N.S.
John Martin MacLeod, Vernon Bridge, P.E.I.
Dana Kirby MacPhee, Cornwall, P.E.I.
Alan Joseph McLaughlin, Perth-Andover, N.B.
Ronald Melvin White, Charlottetown, P.E.I.

DIPLOMAS OF TECHNOLOGY

AGRICULTURAL TECHNOLOGY

With High Honours

Kimberley Anne Best, Cambridge Sta., N.S.

Stephen John Cousins, Crapaud, P.E.I.
Darwin Clayton Carr, Oromocto, N.B.
Paula Marie McAllister, Millerton, N.B.
Paul Martin Richardson, New Glasgow, N.S.

BIOLOGY LABORATORY TECHNOLOGY

With High Honours

Anna Kathleen Fitzgerald, Tatamagouche, N.S.
Suzanne Marie LeBlanc, Moncton, N.B.
Miles Walter MacDonald, Sydney, N.S.

With Honours

Pamela Catharine Geddes, Halifax, N.S.

Cynthia Mary Anstey, Dartmouth, N.S.
Anna-Marie Kathleen Mullins, Armdale, N.S.
Charmaine Ann MacEachern, St. Andrews, N.S.
Anita Valerie Wiecek, Windsor, N.S.

CHEMISTRY LABORATORY TECHNOLOGY

With High Honours

Floris Belva Mullen, Weymouth, N.S.

Elizabeth Grace Daley, Scotsburn, N.S.
Sarajane Marie MacIntosh, Hampton, N.S.
William Brander Travis, Red Bank, N.B.

FARMING TECHNOLOGY

Scott Douglas Durling Shaffner, Dartmouth, N.S.
Janet Marie Younker, Cornwall, P.E.I.

LANDSCAPE HORTICULTURE TECHNOLOGY

With High Honours

Allen Howard MacLeod, Sydney, N.S.

Cheryl Marlene Anderson, Truro, N.S.
Elizabeth Maria Maas, St. Andrew's, N.S.
Mary Margaret Mahoney, Halifax, N.S.
Dwain Joseph MacAulay, Souris West, P.E.I.
Christina Lynn White-Doucette, Clementsvale, N.S.

LIBRARY REPORT

The Library services, for the period under review, were performed in satisfactory manner.

Prof. Bonnie Waddell joined the Library staff, as the new Reference Librarian on June 3, 1985. She has streamlined all functions of the Reference Department. The Online Information Retrieval System is in place and available to all interested users. She has completed plans to re-organize the Government Documents section. The work started on June 2, 1986. Processing of Inter-library Loan requests has been speeded with the use of ENVOY 100 Electronic Messaging System.

The Acquisitions Department (Books & Periodicals) was reorganized. One of its outstanding achievements was the latest "Serials" holdings list. It is the best such list that the N.S.A.C. Library has produced so far.

The vacancy created by the departure of Mrs. Donna MacArthur was filled by Mrs. Sherree Miller, who was Library Assistant (Circulation) at that time.

The Circulation Department kept a tight control on its activities. Reminders for overdue books were sent out speedily and regularly. During Academic Sessions, Library Services were open for 80½ hours per week. The Library was kept open from 6:00 p.m. - 10:00 p.m. on Wednesday nights during the Summer Session.

A complete inventory of the book holdings was done by the Cataloguing Department. We were not able to account for only seven (7) books. Books needing mending and/or binding were identified for a future follow-up. The Cataloguing Department has added a new feature to our Cataloguing system. It is called Authority Control. This helps to standardize names and main entries.

The Library Committee appointed a Sub-Committee to help in the preparation of the Budget submission for April 1, 1986 to March 31, 1987. The Sub-Committee did an outstanding job. It was chaired by Dr. Derek Anderson.

The Sub-Committee on books and periodical budget continues to play a useful role. It is chaired by Dr. Claude Caldwell.

STATISTICS
June 1, 1985 - May 31, 1986

1. Books added	2,030
2. Current Journals	739
3. Circulation (Loan of Books)	11,735
4. Visitors to the Library	46,190
5. Interlibrary Loans	
a) Books borrowed	263
b) Books loaned	99
c) Photocopies obtained	1,019
d) Photocopies sent	94
6. Binding	
a) Periodicals	1,041
b) Books	87
7. Cataloguing	1,265
8. Reference Department Activities	
a) Publications	8
b) Tours (for 207 people)	27
c) Workshops (for 35 people)	5
d) Reference Questions	226
e) Instruction Sessions	65
f) Referrals	26
g) Online Searches (Oct.-May)	19
h) Documents Added (Vols.)	894

RESEARCH PROJECTS

Research Projects were funded from a number of sources. Some of these were at the discretion of the Committee while others were the result of individual initiative. A number of investigative projects are not included. The fund sources are as follows and may or may not be included in these statistics.

Source	Projects/ Grants	Funds $,000.
N.S. Department of Agriculture and Marketing	53	301,
Agriculture Canada	5	53,
NSERC	12	220,
Industry Contracts and Grants	12	64,
Canada-Province Development Agreement	14	239,
	96	877,

Readers are encouraged to contact the project leaders for further information. Inquiries concerning the overall program may be made through any committee member.

1985 RESEARCH PROJECT REPORTS

Project Number	Project Leader	Project Title
85-06	J. S. Bubar	Cereal and Protein Trials
85-07	J. S. Bubar	Forage Crops Evaluation
85-10	J. Fraser	White Clover Evaluation
85-12	C. Caldwell	Max Spring Wheat
85-15	D. L. Patterson	Beef Cow Conditions
85-16	M. L. Connor	Fox Production
85-17	J. Adams	Sheep Shelter
85-18	D. Mellish	Winter Wheat
85-19	N. Rifai	Carrot Harvester
85-20	G. Sampson	Weed Survey
85-23	D. M. Anderson	Canola Seed in Broiler Rations
85-24	T. H. Haliburton	Vegetable Trials
85-25	R. Prange	Ostrich Fern
85-26	L. Eaton	Nutrition in Blueberries
85-29	P. Warman	Nutrients - Blueberries
85-30	H.-Y. Ju	Ginseng
85-31	K. MacLean	Arsenic
85-32	G. Stratton	Pesticides
85-38	H. M. MacConnell	Analytical Methods - Poultry Feeds
85-39	P. Dzikowski	Blueberry Production Study
85-40	P. Dzikowski	Blueberry Data Base
85-42	H. -Y. Ju	Micronutrients - Blueberries
85-45	D. M. Anderson	Digestibility - Atlantic Feedstuffs
85-46	R. Daniels	Turfgrass
85-50	F. Desir N. Rifai	Orchard Mower
85-51	D. C. Crober	Computerized Environmental Control
85-52	G. Sampson	Quackgrass
85-53	B. Gray	Winter Wheat and Barley Diseases
85-57	D. M. Anderson	Diets for Swine
85-65	R. Robinson	Ferulic Acid
85-66	R. Robinson	Heat Detection
85-67	R. Robinson	Corticosterone - Layers
85-68	J.-P. LeBlanc	Predatory Mites on Apples
85-69	R. Olson	Test Tube Pollination Potatoes
85-70	J. Nowak	Germplasm Preservation
85-71	G. Stratton	Pesticide Toxicity Data

85-72	P. Warman	Plant Cover on Soils
85-73	P. Warman	Asparagus
85-74	H. -Y. Ju	PGR on Blueberry
85-75	G. Miller	Radioassay
85-76	T. Tennessen	Dairy Cow Husbandry
85-77	T. Tennessen	Cage Design
85-78	A. Madani	Reference Crop ET
85-80	A. H. Fredeen	Milk Fever
85-81	G. Grant	Feed Grain Sources
85-82	Y. Surry	Analyzing Pricing Efficiency in Canadian Table Potatoe Markets
85-83	D. L. Patterson	Carcass Growth and Quality
85-84	D. M. Anderson	Fox Production (Dry-Wet Feeds)
85-85	D. Allen	Heat Reclaimer Study
85-86	D. C. Crober	Antibody Production of Layers
85-87	M. L. Connor	Hormone Assays
85-88	J.-P. LeBlanc	Arthropods - Blueberries

PUBLICATIONS

Referred Journals

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Fenton, M., Anderson, D. M., Thacker, P. A. and Bowland, J. P. 1985. A note on a new method for separating light and dark kernals of winter wheat (Triticum aestivum L.) based on density. Cereal Chemistry 62: 67-69.

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Firth, N. L., Ross, D. A. and Thorney, M. L. 1985. Comparison of ether and chloroform for Soxhlet extraction of freeze-dried animal tissues. J. Assoc. Off. Anal. Chem. 68(6): 1228-1231.

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Fredeen, A. H. and DePeters, E. J. 1985. Exteriorization of carotid artery in goats for frequent sampling. Can. J. Anim. Sci. 65: 761-763.

Gray, A. B. and Sackston, W. E. 1985. Early stages of infection of resistant and susceptible sunflower seedlings by three races of Plasmopara halstedii. Can. J. Bot. 63: 1725-1729.

Gray, A. B., Sackston, W.E. and Thauvette, L. 1985. The development of infection structures of Plasmopara halstedii in suspensions of sunflower cells. Can. J. Bot. 63: 1817-1819.

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College Farm 1985-1986

Crops

During the 1985-86 year two events took place which will no doubt have a long term effect on the cropping program on the farm. Firstly, the College farm was enrolled on a computerized Land Evaluation and Planning (LEAP) project with seven other farmers in Nova Scotia. This project administered by the Soils and Crops Branch provides for the soil mapping of the farm with soil typing, soil analysis and recording of the nutrient and herbicide applications, crop yields and crop rotation program for each of the 43 fields on the farm. The second event was the acquiring of additional land for the College from Mr. Bernard Colenbrander of Farnham Road, near the College. Approximately 25 hectares (62 acres) of upland and dyke were obtained by the N.S. Farm Loan Board for the College Farm.

The following indicates the cropping program for 1985 and the rotation plan for 1986.

Crop	Actual 1985 (Ha)	Planned 1986 (Ha)
Research Plots	2	5
Corn Silage	27	32
Legume Forage	16	30
Cultivated Pasture	14	23
Improved Pasture	15	24
Annual Ryegrass	9	10
Direct Seed Forage	23	16
Grass Forage	39	14
Barley	21	8
Oats	0	10
Winter Wheat	3	8
Soybeans	0	3
Total Hectares	169	183

Livestock

Changes in livestock numbers with year end inventories were:

Species	Number April 1, 1986	Born	Donated/ Purchased	Died	Sold	Number March 31, 1986
Beef Cattle	147	77	0	10	58	156
Dairy Cattle	102	60	0	5	49	108
Sheep	150	168	0	38	102	178
Swine	381	1099	4	195	741	548
Foxes	39	66	10	19	21	75
Mink	0	0	53	0	0	53

Dairy Cattle

The B.C.A. rolling herd averages as of March 1986 were 165 M - 178 F for the Ayrshire herd and 150 M - 156 F for the Holsteins. Milk production increased to 316,215 L for the year with a sale value of $108, 388.71.

Beef Cattle

Seventy-seven calves were born in 1985 with seven dying at or shortly after birth. Due to the importation of the Lacombe Shorthorns, 32 cow-calf pairs were pastured at the Cape John Community pasture. A summary of the adjusted weaning weight of the calves by dam breed were:

Dam Breed	Number Weaned	Adjusted Weaning Wt. (Kgs)
Hereford	15	216.9
Shorthorn (NSAC)	20	226.0
Lacombe (controls)	6	200.7
Lacombe (selects)	19	213.2
Cross - bred	5	226.4

The Lacombe cows and first calf heifers were bred to Lacombe bulls with all others bred to the Simmental bull.

Sheep

The sheep trial comparing the productivity of the Traditional and Intensive ewe flocks continued in 1985 with the traditional flock lambing in March and the Intensive flock lambing in May and again in December. Only 50% of the Intensive ewes lambed in December for some unknown reason. The age and condition of the ewes may have been a factor in the reduced fertility. Only 56 of the original 120 ewes which started the project in 1980 still remain in the flock.

Swine

The swine unit maintained an average herd size of 40 sows and 8 gilts during the year. A total of 1099 pigs were born alive for an average of 9.9 per sow. An average of 8.7 pigs were weaned per sow. Hog marketings were 741 for the year with 38% grading with a 105 index or better. Twenty-five percent graded 102-103, 18% indexed 90-100 and 19% were sows, boars and gilts. The cooperative research agreement with the Nappan Experimental Farm resulted in 348 of the market hogs being fed at Nappan.

Poultry

Three broiler flocks totalling 7500 birds were grown during 1985-1986. Studies involving 2300 Leghorn layers continued from the previous year.

Fur Unit

A mink shed and a second fox pelter shed were added to the Fur Unit during the year. Fox numbers were increased and mink were added to the fur unit with the donation of 53 breeding animals to the unit by provincial breeders.

SUMMER CONFERENCES

This past Conference Season has, once again, been most successful. We hosted 35 different organizations in residence, with a total participation of approximately 4,000 persons. Several new groups utilized our facilities, some of which have confirmed reservations for 1986.

CONVENTION LIST- 1985

W.H.E.N. (Women's Health Education Network)
Presbyterian Men's Conference
A.C.I.R.A.
W.I.N.S.
C.U.S.O.
4-H Clubs of N.S.
N.S. Rughooking School
Adult Vocational Staff Training
Volleyball N.S.
Presbyterian Youth Camp
Fed. of Senior Citizens and Pensioners
A.S.T.E.
Beta Sigma Phi
Pentecostal Women's Retreat
D.N.D. Glider Training School
N.S. Association of Garden Clubs
Prov. and Atlantic Midget Dev. Hockey
Advanced Hosp. Microbiology Course
N.S. Association of Homemakers
Church of Latter Day Saints Youth
Spartans Gymnastic Camp I, II, III and IV
N.S. Junior and Senior Music Camp
Salem State Geology Field School
N.S.A.C. Girls' Basketball Camp
Alumni Weekend and Open House
N.S.H.A. Coaching Seminar
N.S. Rugby Tournament Teams
Yearbook Workshop
Atlantic Ecumenical Conference
N.S.A.C. Boys' Basketball Camp

SPECIAL EVENTS AT N. S. A. C.

College Royal '84

The 45th College Royal was held under the Chairpersonship of Carl Duivenvoorden from October 31 to November 3, 1985. The theme of the Royal this year was "A-Maize-ing". On November 17th the College Royal Awards Banquet was held with R. J. Huggard as the guest speaker.

Winter Carnival

"Have an 'Ice Winter Carnival" was the theme this year for Winter Carnival, which was held from January 29 - February 2. The Chairperson for Winter Carnival '86 was Shelley MacDonald.

Founding Day Service

On Sunday, February 9, 1986, N.S.A.C. observed its 81st birthday with a service of worship in the Alumni Theatre. The special speaker for the occasion was Rev. Ronald W. Dempsey, pastor at Woodlawn United Church, Dartmouth. Music was provided by the N.S.A.C. College Chorale and the Wind Ensemble of the CEC Symphonic Band.

N.S.A.C. SEMINAR PROGRAM

The following seminars were held at the College during the 1985-86 academic year:

Date	Speakers	Topic
September 25, 1985	Prof. Dr. W. Kuhbauch	Computer Technology applied to Estimation of Digestibility in Forages.
February 18, 1986	Herb Doune	Floods in Nova Scotia
May 21, 1986	Dr. H.F. MacRae	British Council Study Tour of Agricultural Education and Research in Britain - England.
May 28, 1986	Dr. H.F. MacRae	British Council Study Tour of Agricultural Education and Research in Scotland and Wales.